List of plants collected
by M A Carleton 1891

No. 1. Vinita, I. Ter. Apr. 17.
" 2 " " " " " woods
" 3. " " " " "
" 4 " " " " " in
woods. on Big Cabin creek.
" 5 Vinita I. Ter. Apr. 21. woods,
" 6 " " " " "
" 7 Vinita. - Prairies, Apr. 17.
" 8 " " " "
" 9 " " " "
" 10 " " " "
" 11 " " " "
" 12 " " " "
" 13 " - woods Apr. 23.
" 14 " " " "
" 15 " " " "
" 16 " " " "
" 17 " " " "
" 18 " Prairies Apr. 22.
" 19 " " " 18
" 20 Muskogee (& Sacred Heart Mission) May 6. " 25.
" 21 Vinita " " 18
" 22 " " " 22

No. 23. Vinita. - Prairies. Apr. 21.
" 24. " - woods " "
" 25. " - prairies " 18
" 26 " " " "
" 27 " - water " 21
" 28 " - prairies " "
" 29. " - woods " "
" 30 " - prairies " 18
" 31 " woods " 21
" 32 " prairies " 18
" 33 " " " "
" 34 " woods " "
" 35. " stony hills " "
" 36 " " "
" 37 " hills " "
" 38 " wooded hills " 20.
" 39 " woods " "
" 40 " wooded hills " "
" 41 North Canadian river (Creek nation) May 1
" 42 Wewoka (Seminole nation) " 2
" 43 " " "
" 44 Vinita - woods Apr. 24
and Muskogee Apr. 24.

No. 45. Vinita. Apr. 24
" 46 " " " and
Muskogee " 26
" 47 Creek nation May 1
" 48 Muskogee, Ind. Terr. (Creek nation)
Apr. 25.
" 49 Muskogee; stony point Apr. 25.
" 50 " " " " "
" 51 " " " " "
" 52 " " " " "
" 53 " " " " "
" 54 " " " " "
" 55 " " " " "
" 56 " " " " "
" 57 " " " " "
" 58 " " "
" 59 " " "
" 60 " " "
" 61 " (& Wewoka May 2) " "
" 62 " " "
" 63 " " "
" 64 " " "
" 65 " " "

No. 66	Muskogee, Ind. Ter.	Apr.	25	
" 67	"	"	"	
" 68	"	"	"	
" 69	"	"	"	
" 70	"	"	"	
" 71	" Arkansas river	"	26	
" 72	" "	"	"	
" 73	" "	"	"	
" 74	" "	"	"	
" 75	" woods	"	27	
" 76	" "	"	"	
" 77	" "	"	"	
" 78	" "	"	"	
" 79	" "	"	"	
" 80	" "	"	"	
" 81	" "	"	"	
" 82	" "	"	"	
" 83	" "	"	"	
" 84	" marsh	"	"	
" 85	Okmulgee (Creek nation)	"	28	
" 86	" (& Wewoka May 2)	"	"	
" 87	" woods	"	"	
" 88	" "	"	"	

No. 89	Okmulgee - woods.	Apr.	29	
" 90	" "	"	"	
" 91	" "	"	"	
" 92	" "	"	"	
" 93	" "	"	"	
" 94	" "	"	"	
" 95	"	"	"	
" 96	"	"	"	
" 97	Creek nation	"	30	
" 98	" " - stony hill -	"	"	
" 99	Wewoka (Seminole nation)	May	2	
" 100	"	"	"	
" 101	" (fr. later at Guthrie)	"	"	
" 102	"	"	"	
" 103	"	"	"	
" 104	"	"	"	
" 105	"	"	3	
" 106	Guthrie, Ok. Terr.	"	18	
" 107	Wewoka	"	3	
" 108	"	"	"	
" 109	"	"	4	
" 110	" (& Oklahoma, May 11)	"	"	
" 111	Sacred Heart Mission - (in country of the Pottawattomies)	"	6	

→ also June 6, on Gypsum hills, Cheyenne Country.

No. 112 Sacred Heart Mission. May 6
" 113 (also Cimarron Canon. Neutral Strip Aug. 2) " "
" 114 Southern Seminole nation " 6
" 115 " " (+ Guthrie May 27) "
" 116 " " " " "
" 117 Pottawattomie Country " 7
" 118 " " " "
" 119 Oklahoma City, Ok. Terr. " 9
" 120 " " " " "
" 121 " " " " "
" 122 " " " " "
" 123 " " " " "
" 124 " fr. later " Cheyenne " Country "
" 125 " " " " 11
" 126 " " " " "
" 127 " " " " "
" 128 " " " " "
" 129 " " " " "
" 130 " " " " "
" 131 " " " " "
" 132 " " " " "
" 133 " " " " "
" 134 " " " " "

No. 135 Oklahoma City May. 11.
Nos. 126 – 135 on stony wastes.
No. 136 Guthrie, Ok. Terr. May. 14.
on wooded hill.
" 137 Guthrie, - sandhill on the
Cimarron river, May. 14.
" 138 Guthrie, - aquatic.
" 139 " sandhill " "
" 140 " " "
" 141 " " "
" 142 " " "
" 143 " " 13
" 144 " " "
" 145 " " "
" 146 " woods " 15

No. 147. Guthrie May. 15:

" 148. " " "

" 148 " " "

" 150 " " 18.

" 151 " Cimarron Valley " 22.
also fr. June 14 in Cherokee Outlet.

" 152 " " " " "

" 153 " " " " "

" 154 " " " " "
also Guthrie, May 27.

" 155 Guthrie Cimarron Valley May 22

" 156 " " " " "
Also "Little Salt Marsh." Stafford Co. Ks. Jul. 11.

" 157 " " " " "

" 158 " " " " "

No. 159 Guthrie May. 22.

" 160 " " "

" 161 " " "

" 162 " " "
(also North Canadian vines in Cher. Outl. Aug. 25)
(also Sumner Co. Kan. June 27.)

" 163 " " 27

" 164 " " "
also western Okl. proper June 3

" 165 Guthrie. May 22

" 166 " Cimarron valley. " 28
also western Okl. proper June 3.

" 167 Guthrie Cimarron Valley May 28

" 168 " " " " "

" 169 " " " " "
also near Downs June 3

" 170 Guthrie Cimarron Valley May 28

No. 171 Guthrie, Cimarron valley. May 28

" 172 Oklahoma proper June 3

" 173 " " " "
(Also at "Point of Rocks" Morton Co. Kan. July 28.)

" 174 " " " "

" 175 " " " "

" 176 " " " "

" 177 Verbena bipinnat. fida Nutt. "

" 178 " " " "
Also Reno Co. Kan. July. 2.

" 179 " " " "

" 180 " " " "

" 181 Kingfisher Okl. Terr. June 4

" 182. " " " "

No. 183 Kingfisher Ok. Terr. June 4

" 184 " " " " "

" 185 Cheyenne Country " "

" 186 " " " "

" 187 " " " "

" 188 " " " "

" 189 " " " 5

" 190 " " " 5

" 191 " " " "

" 192 " " " "

" 193 " " " "

" 194 " " " "

No 195. Cheyenne Country June 5.
" 196 " " " "
" 197 " " " "
" 198 " " " "
also white fl. form, Harper Co. June 25.
" 199 Cheyenne country. " 6.
on gypsum hills.
" 200 Cheyenne Country, gypsum hills June 6
(also Morton Co. Kan. at "Point of Rocks" July 28)
also June 11. Cherokee Outlet.
" 201 " " " " " "
(also Oldham Co. Tex. [Canadian Canons.] Aug. 13)
" 202 " " " "
" 203 North Canadian river in
Cherokee Outlet June 8.
" 204 N. Canadian Cher. Outlet " "
" 205 " " " " " "
" 206 " " " " " "

No. 207 N. Canadian Cher. Outlet June 8
" 208 " " " " " "
" 209 " " " " " 9
" 210 " " " " " "
" 211 " " " " " "
Also Seward Co. Kan. in rand Jul. 28.
" 212 " " " " " "
" 213 " " " " " 10
" 214 Cimarron valley in Cherokee
Outlet, gypsum hills June 11.
" 215 Cimarron valley, Cher. Out. " "
" 216 " " " " " "
(also Cimarron Canons. Mentral Strip, Aug. 2)
" 217 " " " " " "
" 218 " " " " " "

No. 219 Cimarron valley. Cher. Cnt. June 11.

" 220 " " " " "
(also Canadian city, Tex. Aug. 20)
(also Comanche Co. Kan. June 18.)

" 221 " " " " " 12

" 222 " " " " " "

" 223 " " " " " "
(also Oldham Co, Tex. Canadian canons. Aug. 13)

" 224 " " " " " "

" 225 " " " " " 13.

" 226 " " " " " "

" 227 " " " " " 14
Also Larned, Pawnee Co. Kan. Jul. 14.

" 228 " " " " " "
also Larned, Pawnee Co. Jul. 14.
(Also Sumner Co Kan. June 27)

" 229 " " " " " "
Also Dodge City. Jul. 18.

" 230 " " " " " "
on the "Great Salt Plain."

No. 231 Cimarron valley Cher. Cnt. June 14

" 232 " " " " " "

" 233 " " " " " "

" 234 " " " " " 15

" 235 " " " " " "
Also Dodge City. Kan. Jul. 18.

" 236 Comanche Co. Kansas June 16.

" 237 " " " " "

" 238 " " " " "

" 239 " " " " "

" 240 " " " " "

" 241 Clark Co. Kansas " 17

" 242 " " " " "

No. 243. Clark Co. Kansas June 17

" 244 " " " " 18

" 245. Comanche Co. Kansas " "

" 246 " " " " "

(Also Dodge City, Jul. 15.)

" 247 " " " " "

" 248 " " " " 19

" 249 " " " " "

" 250 " " " " "

" 251 " " " " "

" 252 " " " " "

" 253 " " " " "

" 254 " " " " "

No. 255 Comanche Co. Kan. June 19.

" 256 Barber Co. Kan. " 20

among rocks on gypsum hill.

" 257 Barber Co. Kan. June 21

" 258 Sumner Co, Chicarkia river June 22.

" 259 Barber Co. Kan. June 22.

" 260 " " " " "

" 261 " " " " "

" 262 Cherokee Outlet, Ind. Ter. " 23

" 263 " " " "

(Also Stevens Co. Kan. in sand - July 24)

" 264 " " " "

" 265 " " " "

" 266 " " " 24

2/o. 267. Cherokee Outlet 2nd Ter. June 24

" 268 " " " " " "

" 269 State Li's at Harper Co. June 25

" 270 Sumner Co. Kan. " 27

" 271 " " " " "

" 272 " " " " "
(also Bluffs, Big Blue Cr. Morris Co. Tex. Aug. 14)

" 273 " 28
(also "Little Salt Marsh" Stafford Co. Jul. 11.)
~~Salt~~ Salt marsh at Cienda Springs.

" 274 Sumner Co Kan. June 28

" 275 Wichita Kan. July 3

" 276 " " " "

" 277 " " " "

" 278 " " " "

2/o. 278 Wichita Kan. July 3
(also Reno Co. Jul. 10)

" 280 " " " "

" 281 " " " 6

" 282 " " " "
(also Englewood Kan. Sept. 18)

" 283 Sedgwick Co. Kan. " 8

" 284 " " " " "

" 285 " " " " "

" 286 Reno Co. Kan. " 9

" 287 " " " "
(also Dodge City Jul. 18)

" 288 " " " "

" 289 (Fr. only)
(also at Clayton New Mexico, Aug. 6)

" 290 " " " " 10
(also Morton Co. July 25)

291. Reno Co. Kan. July. 10
in sandy district

292. " " " " "
(also "Cherokee Ant. near Texas, Aug. 29)
Sandy district

293 Reno Co. Sandy district " "

294 " " " "

295 " " " "

296 " " " 11

297 " " " "
Also Stafford Co. Jul. 13.

298 " " " "

299 Stafford Co. Kan.
in sandy waste. Jul. 11

300 Same locality. " "

301 Stafford Co. Kan.
(Aquatic) "Big Salt Marsh". Jul. 11.

302. Same loc. as above " "
= Chiara (destroyed)

No. 303 Same locality July. 11.

" 304 " " " "

" 305 Stafford Co., Sand-hills " 12
(also at Arkalon, Kan. Sept. 22)

" 306 " " " "

" 307 " " " 13
(Also at "Point of Rocks", Morton Co. Kan. July 28)

" 308 Edwards Co. Kan. " 15
Also Dodge City. Jul. 18.

" 309 Stafford Co " " 13
(also Cimarron Canon, Hamlet Sta. Jul. 31)

" 310 Edwards Co " " 15
also Deerval Co. July 22. Yellow-legs.
Also yellow-legged former Ford Co. Jul. 2.

" 311 " " " " "

" 312 Ford Co. Kan. " 16

" 313 " " " " "

" 314 " " " " "

No. 315 Edwards Co. Kan., July 16,
" 316 " " " " " "
" 317 " " " " " "
" 318 " " " " " "
" 319 Ford Co, Kan. " 17
" 320 " " " " " "
" 321 Dodge City (Ford Co) " 18
" 322 " " (") " "
" 323 " " (") " "
" 324 " " (") " "
" 325 " " (") " 19
Shore of small lake.
" 326 Ford Co. Kan. " 20

No. 327. Haskell Co. Kan. July 21.
" 328. Gray Co. Kan. " 21
" 328 " " " " "
" 330 " " " " "
Extremely abundant and troublesome.
" 331 Seward Co. Kan. July 22.
" 332 " " " " "
Also " in sandy soil. " 23.
" 333 " (Also "Stevens" Co. in sand. Jul. 24.)
Sandy soil, near Cimarron river, Jul. 23.
" 334 Seward Co. sand - near Cimarron river.
(Also Stevens Co. in sand. Jul. 24) July 23.
" 335 Habitat same as above, " "
" 336 " " " " "
" 337 " " " " "
" 338 " " " " "

No. 338. Seward Co — dry district — Cimarron.
(also S.E. Kiowa Kan. in Cher. Ant. — Sept 13)
(also Englewood Kan. Sept. 19) July 23.

" 340 Stevens Co, Kan. " 24
(Also Morton Co. Jul. 25)
(also Cher. Ant. near Caldwell Kan. Sept. 10)

" 341 Habitat as above. " "

" 342 " " " " "

" 343 " " " " "
(also Clark Co. Kan. on Cimarron, Sept. 18)
(Also Cimarron Canons in Neutral Strip. July 31)

" 344 " " " " "

" 345 Morton Co. Kan. — Cimarron river.
(Also on site of Ft. Jones, Neutral Strip, Jul. 28) July 25.

" 346 " " " " 27.

" 347 " " " at "Point of Rocks".
(Also Cimarron Canons Neutral Strip, Jul. Aug. 2) July. 22.

" 348 Habitat as above, " "

" 348 " " " " "
(Also Cimarron Canons in Neutral Strip. July 30)

" 350 " " " " "

No. 354 Morton Co. Kan. — Cimarron valley.
(Also at Clayton N. Mex. Aug. 6) July 22.

" 352 Habitat as above. " "
(also Cimarron Canons. Neutral Strip. Aug. 8).

" 353 Morton Co. Kan. "Point of Rocks".
July 22.

" 354 Neutral Strip (or Beaver Co. Oklahoma or "No-Mans-Land"),
in sand, Cimarron valley, July 22.

" 355 Neutral Strip — Cimarron valley. " "

" 356 Habitat as above; " "

" 357 Neutral Strip, Cimarron valley,
on bluffs of red sandstone. July 28.

" 358 Neutral Strip. — Cimarron Canons.
on rocky mesas ("True-Cactus") July 30.

" 359 Canons of the upper Cimarron, near
"J. H." Ranch (Garnett P.O.) Neutral Strip
(also Gallagher Co. Texas Aug. 8), July 31.

" 360 Habitat as above, " "

" 361 " " " " "

" 362 " " " " "
becomes, in cultivated ground, a noxious weed.

No. 363 Cañon Canon, in Head of Stk.
near Garrett P.O. (Among rocks) August 1.
" 364 Habitat as above, " "
(Rocky areas)
" 364½ " " " " "
(Rocky areas)
" 364 " " " " "
(Rocky areas)
" 365 " " " " "
(Rocky areas)
" 365 " " " " "
(Rocky areas)
" 365 " " " " "
(Rocky areas)
" 370 " " " " "
" 371 " " " " "
(also "Horse Canon", Home Co Texas, Aug. 16)
" 372 " " " " "
" 373 " " " " "
(Also on "Rabbit Ear Hill" at Clayton, N. Mex. Aug. 6)
" 374 " " " " "

No. 375. Habitat as the preceding. ~~Dup~~ Aug. 1.

" 376 " " " " " 2

" 377 " " " " " 2

" 378 " " " " " 2

" 379 " " " " " 2

" 380 Central Strip (central part). Aug. 3.
(also Dallam Co. Texas (Panhandle). Aug. 31

" 381 " " (" ") " "
(also Barber Co. Kan. on outcropping "Red-bed" Sept. 15)

" 382 Central Strip - North Canadian river. " 4
(also Dallam Co. Texas. Aug. 31.

" 383 " " " " " "

" 384 " " " " " "

" 385 " " " " " "

" 386 " " " " " "

No. 387. Neutral Strip, North Canadian river, Aug. 4.

" 388 Clayton, New Mexico, "Apache Canon". Aug. 6.

" 389 Habitat as above. " "

" 390 " " " " "

" 391 " " " " "

" 392 Clayton, New Mexico. " "
on "Rabbit-Ear Mts,"

" 393 Clayton, N. Mex., "Apache Canon", Aug. 6.

" 394 " " " " " " "
(also at Arkalon, Kan. Sept. 22)

" 395 " " " " " " "

" 396 " " " " " " "

" 397 Hallam Co. Texas ("Panhandle"), Aug. 8,
in sand & among rocks.

" 398 Hallam Co. Texas " "
in sand district.

No. 399 Hallam Co. Texas. Aug. 8.

" 400 " " " " 10.

" 401 Hartley Co Texas ("Panhandle")
Aug. 11.

" 402 " " " " "
(Single specimen only) in sand.

" 403 " " " " "
(Seemingly rare) in sand.

" 404 Moore Co. Texas ("Panhandle")
Aug. 14.

" 405 Hartley Co. " 12.

" 406 " " " "

" 407 " " " "
(also Moore Co. Tex. Aug. 14, in sand) in sand.

" 408 Canadian Canons in Oldham (Texas Co.)
Aug. 13

" 408 Habitat as above " "

" 411 " " " "

No. 411 Canadian Canons. Oldham Co. Texas. Aug. 13.

" 412 Habitat as above. " "

" 413 " " " " "

" 414 " " " " "

" 415 " " " " "

" 416 Oldham Co. " "
(in sand)

" 417 " " " "
(in sand)

" 418 Moore Co. Texas, Aug. 14

" 419 " " " " 15
(in sand)

" 420 " " " " "

" 421 " " " " "
(Parasitic on Cumbrosia sp. and Aspe Smith)

" 422 " " " " 16
in "Horse Canon"

No. 423 "Horse Canon". Moore Co. Aug. 16.

" 424 " " " " " "

" 425 " " " " " "
(along the stream)

" 426 " " " " " "
(along the stream)

" 427 Canons of the Canadian, Hutchinson Co. Tex. Aug. 17.

" 428 Hemphill Co. Texas " 21.
(also Lipscomb Co. Tex. Aug. 22) (sand hills.)

" 429 " " " Aug. 21.

" 430 " " " " "
(also Cher. Outlet near Arkansas city, Kan. Sept. 1)

" 431 " " " " "
(Clear Creek)

" 432 Clear Cr. Hemphill Co. Tex. Aug. 21.

" 433 " " " " " " "

" 434 Canadian river, Hemphill Co. Tex. Aug. 21.

No. 435. Canadian river, Hemphill Co. Tex. Aug. 21.

" 436 " " " " " " "

" 437 Cherokee Outlet, near Texas line. Aug. 22.

" 438 Canadian river, Hemphill Co. Texas.
(also Cherokee Out. near Texas, Aug. 23) Aug. 20.

" 439 Cherokee Outlet, near Texas. Aug. 23.
(also on creek in Logan Co. Okla Aug. 30)
(on Wolf Cr.)

" 440 Wolf Cr. in Cher. Out. near Texas. Aug. 23.

" 441 " " " " " " "

" 442 " " " " " " "

" 443 Cher. Out. near Tex. " "

" 444 North Canadian river, in Cherokee Outlet,
near Woodward. Aug. 24.

" 445. Habitat as above. " "

" 446 " " " " "
(also Barber Co. Kan. Sept. 14)

" 447 Habitat as the preceding. Aug. 24.

" 448 " " " " " "

" 449 North Canadian, in Cher. Out. Aug. 25.

" 450 " " " " " " "
(also Cheyenne & Arrapahoe country, Aug. 26)
(also Cantonment, Ind Terr. Aug. 27)

" 451 " " " " " " "

" 452 North Canadian, in Cheyenne & Arrapahoe
Country. (near Cantonment). Aug. 26.

" 453 Habitat as above. " "

" 454 Near Salt Creek, in Chey. & Arrap. Country,
(also abundant in region of Salt Fork, Cher. Out. Sept. 10,
(Comparatively rare) Aug. 27.

" 455. Black-jack forest, near Cantonment, I.T.
Aug. 27.

" 456 As above. " "

" 457 ~~Cantonment, Salt Fork~~
Near Salt Creek in Chey. & Arrap. Country, Aug. 28.

" 458 Kingfisher Co. Oklahoma. Aug. 28.

No. 458 Kingfisher Co. Oklahoma, Aug. 28.

" 460 " " " " "

" 461 Logan Co. Oklahoma. " 30,
on a creek.

" 462 As above. " 30.

" 463 " " " "
(also near Ponca Agency Ind. Ter. Sept. 2)

" 464 " " " "

" 465 " " " "

" 466 " " " "

" 467 " " " "

" 468 Logan Co. Oklahoma " "

" 470 " " " " "

No. 471. Logan Co. Oklahoma, Aug. 30,
(along a creek).

" 472 Logan Co. Okl. " 31
Cimarron river, near Guthrie.

" 473 As above. Aug. 31.

" 474 " " " "

" 475 " " " "

" 476 Logan Co. Okl. " 30.

" 477 Cherokee Outlet. on Guthrie & Arkansas
City trail. ~~Aug~~. Sept. 1.

" 478 As above. " "

" 478 Ponca Agency, in Cherokee Out. Sept. 2.

" 480 Cher. Out. near Arkansas City. Sept. 3.

" 481 Black Bear Creek. Cher. Out. Sept. 2.

" 482 Arkansas City, Kan. Sept. 4.
on Walnut River.

No. 483 Arkansas City, Kan. on Walnut river. in woods. Sept. 4.

" 484 Habitat as above. " "

" 485 " " " " "

" 486 " " " " "

" 487 " " " " "

" 488 " " " " "

" 489 " " " " "

" 490 " " " " "

" 491 " " " " "

" 492 " " " " "

" 493 " " " " "

" 494 " " " " "
(among rocks)

No. 495 Habitat as the preceding. Sept. 7.

" 496 " " " " "

" 497 " " " " "

" 498 In slough in Sumner Co. Kan. Sept. 9,
(also Pratt Co. Kan. on Ninnescah river. Sept. 28)

" 499 Territory line, Sumner Co Kan. Sept. 8

" 500 " " " " " " "
(aquatic)

" 501 Cherokee Outlet, near Caldwell, Kan
Sept. 10.

" 502 As above. " "

" 503 " " " "

" 504 Cherokee Outlet near Salt Fork of
Cimarron. Sept. 11.

" 505 Habitat as above. " 13

" 506 On a large salt plain of the Salt
Fork in Cher. Out. S.E. of Kiowa Kan. Sept. 13.
(also Meade Co. Kan. Sept. 30)

* A geological formation, about which there has been considerable discussion, giving the red appearance to Oklahoma, and extending into S.W. Kan.

No. S-07 Habitat same as preceding, Sept. 13.

" S-08 Barber Co. Kan. " 15.
("Sage brush")

" S-08 Barber Co. on outcropping "Red-bed" * Sept. 15.

" S-10 " " " "

" S-11 Comanche Co. Kan. in sandy soil. Sept. 16.

" S-12. Habitat as above. " "

" S-13 " " " " "

" S-14 " " " " "

" S-15 Comanche Co. - sand-hills, Sept. 17.

" S-16 Clark Co. Kan. - sandy saline soil. Sept. 18.

" S-17 As above. " "

" S-18 Clark Co. along the Cimarron river. Sept. 18.

No. S-18 Clark Co. - Cimarron river. Sept. 18

" S-20 As above. " "
(best specimens to be gotten, but poor)

" S-21 ~~(best specimens to be gotten, but poor)~~ " "

" S-22
" S-23
" S-24
} in sandy, saline soil, on Cimarron, in Clark Co. Kan. Sept. 18.

" S-25 Clark Co. - Cimarron valley. Sept. 18.

" S-26 Englewood Kan. Cimarron valley. Sept. 18.

" S-27 Meade Co. Kan. bed of a small marsh. Sept. 20.

" S-28 Meade Co. - sand-hills, Sept. 20.

" S-28 " " " "

" S-30 " " - in marsh. " 21.

No. S-31 Meade Co. Kan. in sand. Sept. 21.

" S-32. " " " Crest of stony hill.
(also Arkalon Kan. Sept. 22) Sept. 21.

" S-33. Seward Co. Kan. at Arkalon on
the Cimarron. ("Tumble-weed") Sept. 22.

" S-34 Arkalon, Kan. in sand. Sept. 22.

" S-35 " " " " " "

" S-36 " " " " " "

" S-37 Seward Co. Kan. " "
(also Meade Co. Sept. 25)

" S-38 Meade Co. Kan. " 24.

" S-39 Ford Co. Kan. " 26.

" S-40 Kiowa Co. Kan. " 28.

" S-41 Pratt Co. Kan. - Ninnescah river.
Sept. 28.

" S-42 Kingman Co. Kan. " 30.

No. S-43 sandy soil, on Ninnescah river,
near Calista, Kingman Co. Sept. 30.

" S-44 Habitat - same as above. Sept. 30.

" S-45 " " " " " "

" S-46 " " " " " "

" S-47 " " " " " "

" S-48 " " " " " "

" S-49 " " " " " "

" S-50 " " " " " "

" S-51 Kingman Co. Sept. 30.

" S-52 ~~Cunningham, Kingman Co.~~
moved meadow. - Pratt Co. Sept. 30.

(over)

All species recollected have the new locality indicated on the label.

Some of the species collected early in the season may be immature, although I afterward endeavored to get good specimens of all such species, and was successful in many cases.

Again of a number of species, but a few specimens could be obtained, and in a very few cases only a single specimen.

I must confess that I was myself disappointed in the collection of grasses, although quite a number were obtained, especially on my last trip, through Southwest Kansas.

On the whole, I have endeavored to do the best work possible, although I am conscious of many failures.

W. A. Carleton

A report of species noted but not collected, with new localities and dates, also, of a number of those that were collected:- The numbers given correspond with those in the list of species collected:-

April 17:- Vinita, Cherokee Nation.

Hypoxeus minimus
Phlox divaricata
Cercis Canadensis
Prunus Americana
Veronica peregrina
Lepidium Virginicum
Capsella Bursa-pastoris

April 18: Vinita

Lithospermum angustifolium
Viola tricolor v. arvensis
Anemone decapetata.
Viola palmata v. cucullata.
Antennaria plantaginifolia
Peucedanum foeniculaceum
Viola ~~tetraloniifolia~~ sedatifida
Sisyrinchium mucronatum.
Hottorcordum striatum.
Sisyrinchium caespitosum.

April 20: Vinita.
Podophyllum peltatum.
Oxalis corniculata v. stricta
Acer dasycarpum (fr.)
Platanus occidentalis (not in fl.)
Mistletoe (flowering not noticed)
Besides various species of
Quercus and Hicoria of
which no record was made.
April 21. Vinita:—
Asimina triloba.
April 22 Vinita:—
Oxalis violacea
April 23 Vinita:—
Symphoricarpus vulgaris (not
in fl.)
Cornus paniculata (not in fl.)
Ulmus fulva.
April 24, Vinita:—
Morus rubra.
April 25: Muskogee (Creek nation)
Sassafras officinale
Baptisia australis
Conandra umbellata
Scutellaria parvula.
Bryaderma Nuttalli
Baptisia leucophaea
Tradescantia virginica.
April 26, Muskogee:—
Oenothera pinnata.
April 27, Muskogee:—
Fraxinus viridis
Gleditschia triacanthos
April 28.
" 28 Okmulgee (Creek nation)
Callirhoe alcaeoides
Lithospermum hirtum
Populus sp. sterilifera
Apr. 30
May 1 Creek nation:
Callirhoe involucrata
May 2
" 3 Wewoka (Seminole nation)
Hedeoma hispida
Geranium maculatum
May 5 Pottawatomie Co. Okla.
Oenothera serrulata
Erigeron annuus.

May 6 Sacred Heart Mission. I. Ter.
Plantago major.
Amorpha fruticosa
Dicopleura capillacea
May 7. Pottawattomie County.
Oenothera speciosa.
May 8 Purcell (Chickasaw nation)
Linum sulcatum.
Evolvulus argenteus
Polygala alba
Gaura coccinea
Rhus aromatica
Lon. 124. 132.
May 8 Oklahoma City.
Smilax hispida
Convolvulus sepium
Asclepias viridiflora
Celtis occidentalis
Delphinium Azureum
May 11 Oklahoma City.
Polygala alba
Dicoptera capillacea
May 14 Guthrie. Okl.
Hymenopappus tenuifolius

Coreopsis auriculata
Achillea Millefolium
Asclepias tuberosa
Yucca angustifolia
No. 108. 118
Liatris cylindracea

May 15th Guthrie.
Opuntia floribunda
Pentstemon Cobaea

May 18 Guthrie
Juniperus Virginiana
Baptisia leucophaea

May 22nd Guthrie
Glycyrrhiza lepidota
Argemone Mexicana
Echinacea angustifolia

May 27 Guthrie
Gaillardia aristata
Asclepias tuberosa
Helianthus annuus
Houstonia purpurea v. longifolia

May 28 Guthrie
Vitis cordifolia

June 4 Kingfisher Co. Okl.
Lepachys columnaris
Lechepidora viridis
Oxybaphus angustifolius
Allophyllus stimulosus
Stenosiphon virgatum
Cheyenne County near Kingfisher:-
Schrankia uncinata, including
white-fl. forms. - A great
garden of these "Sensitive
roses."
June 5 Cheyenne & Canadian county.
Malvastrum coccineum
Gaillardia pulchella
Asclepiodora viridis
Martynia proboscidea
Eastern limit of the "Loco" and
"Prickly Pear" near Kingfisher.
June 6 Cheyenne County between Salt-
Creek and Cantonment:-
Amorpha canescens.
Phelypterna gracile
A grove of Sledtschia triacanthos
in a saline marsh.
Also on 9th inst.

June 8 North Canadian river between
Cantonment and Ft. Supply:-
Gaillardia pulchella in
great abundance.
"Sage-brush"
June 8 Locality as above.
Small fl. form of Oenothera
serrulata(?) (No. 384).
June 11 near Cimarron river and
Santa Fe R.R. ("Panhandle route")
Ceanothus ovalis
No. 185.
June 12 Cimarron valley, Cher. Cant-
Atriplex expansa
No. 163.
June 15 Cimarron valley, Cher. Cant-
Ribes aureum (ripe fr.)
Prunus Chicasa (fr. ripening)
June 16 Comanche Co. Kan.:
Asclepias Cornuti
June 17 Clark Co. Kan.:-
Yucca fasciflora

June 18 Clark & Comanche Co. Kan.:—
Gaura coccinea
Evolvulus argenteus
Astragalus mollissimus ("Loco")
"Sage brush" (S. I. S.)
Helesperma gracile.
Opilospappus spinulosus
Dalea laxiflora
Petalostemon violaceus
Helianthus annuus.
Nos. 112. 152. 201. 164.
June 19 Comanche Co. Kan.
Houstonia purpurea
" longifolia
Nos. 179. 178. 184. 228. 233.
Yucca angustifolia
Prunus Chicasa
Echinacea (angustifolia?)
June 20. Barber Co. Kan.
Nos. 155. 178. 188. 117.
Morus rubra } pr. rifenis
Prunus Chicasa }

June 21 Barber Co.
Datura Stramonium
Cucurbita foetidissima
Trochilia gracilis
June 23 Cher. Outlet near Kiowa Kan.
Hastarbius spinalus
Tenorium Canadense
Nos. 171 & 174 very abundant.
June 24 Cher. Outlet near Harper Co.
Psoralea argophylla
Cleomella angustifolia
Lepachys columnaris v. pulcherrima
Cassia Chamaecrista
Desmanthus brachylobus
Nos. 174 (extremely abundant), 165.
June 25. Harper & Sumner Cos. near Ter.
Hoffackia Purshiana } very
Monarda citriodora } abundant.
No. 174 abundant.
June 26 Caldwell Kan.
Eragrostis major.
Panicum torreyanum.

June 27. Sumner Co. Kan.
Monarda fistulosa
Ruellia ciliosa
Panicum sanguinale
Scirpus lacustris
June 28 Zenda Springs. Kan.
Atriplex expansa
Kochia Americana
No. 156.
June 29 Sumner Co. Kan.
Verbena urticaefolia
Solanum Carolinense
Polygonum Pennsylvanicum
Polygonum Amphibium
Polygonum aviculare
June 30 Sedgwick Co. Kan.
Sambucus Canadensis
Juglans nigra
Rosa Arkansana
Juncus nodosus v. megacephalus
July 3. Wichita. Kan.
Liatris lanceolata

July 6. Wichita, Kan.
Helianthus petiolaris
Erigonum annuum.
Aplopappus divaricatus
July 8. Sedgwick Co. Kan.
Tradescantia hirsuta (163)
Argemone Mexicana
Rudbeckia hirta (174)
July 9 Reno Co. Kan.
Salsa aurea
Boutetoua oligostachya
Petalostemon violaceus
Petalostemon candidus
Aplopappus rhinocerus.
Trichachne dactyloides.
Nos. 232, 139, 140, 174.
July 10 Reno Co. Kan.
Cristatella Jamesii
Chrysopsis villosa
No. 220
Cicuta maculata
Erigonum annuum
Tradescantia (163)

Monarda punctata
Monarda citriodora
Kalea taxifolia
Elyonurus tripsacoides
Oenothera biennis
Salvia lanceolata
Yucca angustifolia

July 11 Stafford Co.

Liatris
Salt
Marsh.
- Kochia americana
- Scirpus Torreyi
- Scirpus maritimus
- Atriplex expansa
- No. 154

Hoffmannia Purshiana
Gaillardia pulchella

July 12. Stafford Co.
July 13. " " & Pawnee Co.

Lippia cuneifolia
Tridesantia hirsuta

July 14 Pawnee Co. Kan.

Lespedeza columnaris
Englemannia pinnatifida
Oenothera angustifolia
Solanum nigrum
Atriplex expansa
Polanisia (232)

July 15 Pawnee & Edwards Co's.

Gaillardia pulchella
Helianthus petiolaris
Helianthus annuus.
Engelmannia pinnatifida (very abundant).
Petalostemon candidus
Petalostemon violaceus
Boutelova oligostachya
Boutelova racemosa.
Chrysopsis villosa

July 16 Edwards & Ford Co's.

Helianthus annuus Lakes
Its place entirely of H. petiolaris.

July 17 Ford Co. Kan.

Gaillardia pulchella
Oxybaphus angustifolius
Helianthus petiolaris, again.
Helianthus annuus.
Nos. 118, 244.

July 18. Dodge City, Kan.
Asclepias verticillata
July 19. Dodge City.
Nasturtium sinuatum
July 20. Ford & Gray Cos.
Gaillardia pulchella
Engelmannia pinnatifida
Astragalus mollissimus
Euphorbia marginata
321. 287. 311.
"Sage-brush." (502)
July 21 Gray & Haskell Cos.
Panicum capillare
No. 310
No. 330 very abundant and
quite a nuisance to the
farmers.
July 22. Haskell & Seward Cos.
Ipomoea leptophylla.
Rudbeckia hirta (174)
Engelmannia pinnatifida
No. 310 (both yellow and purple rays).

Seward Co. {
Stenosiphon virgatum
Eriogonum annuum.
Nos. 178. 115, 232.
Johnson grass introduced
and growing nicely.

July 23 Seward Co.
310 still common.
July 24 Stevens Co. Kan.
Solanum rostratum
Hymenopappus tenuifolius
Schrankia uncinata
Callirhoe involucrata
Gaillardia pulchella
Engelmannia pinnatifida
Dalea laxiflora
Dalea aurea
Nos. 310. 311. 315; 318. 319.
281. 211. 255;
Petalostemon candidus
Chrysopsis villosa
Evolvulus argenteus.
July 25; Morton Co. Kan.
Nos. 310. 319. 323. 328.
Engelmannia pinnatifida

Gaillardia pulchella
Chrysopsis villosa
Lepachys columnaris, and its
var. pulcherrima
Solanum rostratum

July 26. Richfield. Kan.
Euphorbia marginata

July 27. Morton Co. Kan.
Gaillardia pulchella
Cnicus ochrocentrus
Many specimens of Cereus
not in bloom.
Nos. 112. 211, 331. 255; 328. 244.

July 28. Morton Co & Central Strip.
Nos. 346, 173, 255. 331. 328, 244.
340, 155; 324. 232.
Dalea aurea
Dalea laxiflora

In Colorado: —
Nos. 357. 340. 310. 155; 324.
Gaillardia pulchella (232.
Helianthus petiolaris
Engelmannia pinnatifida
345 (both white & purple flo.).

July 29. Central Strip: —
Engelmannia pinnatifida
Gaillardia pulchella.
Dalea laxiflora
Acmanthus brachylobus
Glycyrrhiza lepidota
Euphorbia marginata
Helianthus petiolaris
Helianthus annuus.
Gaura parviflora
Grindelia squarrosa
Oenothera biennis (var.
grandiflora?).
Lepachys columnaris
Nos. 322. 256. 340. 345 (with
white fl. form), 310, 350. 338.
333, 336. 324. 232.

July 30. Central Strip: —
Rhus aromatica
Populus monilifera
Nos. 328. 357. 216.
Eastern limit of bur-cactus (
358).

July 31. Central Strip. - Cimarron Canons.

Mountain Ash.
Celtis occidentalis
Juniperus virginiana
Panicum virgatum (322)
Andropogon Carolinianus
Agropyrum glaucum - fine hay grass for that country.
Elymus Canadensis
Salea aurea
Thelesperma gracile.
Aplopappus spinulosus
Chrysothasis villosa
Nos. 187. 173, 155; 321, 347, 348.
Oxytaenia angustifolia
Stenosiphon virgatum

Aug. 1 Central Strip. Cimarron Canons.
Andropogon nutans.

Aug. 2 Central Strip. Cimarron Canons.
Eriogonum annuum.
Liatris punctata

Aug. 3. Central Strip - about the middle.
Aplopappus spinulosus
Nos. 370, 378, 310, 348, 331,
287, 324, 312, 260 (abundant).

Aug. 4 Central Strip.
No. 336 (abundant)
Acnothera Hartwegi, var.
lavendulaefolia. at N. Canadian - (river.

Aug. 5. Clayton New Mexico.
" 6, " " "
" 7 " " "
" 8. Texas "Panhandle" (Dallam Co.)
Eriogonum annuum.
Nos. 340, 338, 336, 155; 331.

Aug. 9. Dallam Co. Texas.
Nos. 359, 255.

" 10 Hartley Co. Texas.
Gaillardia pulchella
Engelmannia pinnatifida
Andropogon nutans.
Panicum torreyanum.
Nos. 337, 350, 185; 128, 384.

Aug. 11. Hartley Co. Tex. ("Panhandle")
Nos. 351, 355;
" 12. Hartley Co. —
Nos. 340. 341. 280. 324. 232.
Aug. 13. Oldham Co. Tex. Canadian Canon
Ulmaria aquarrosa
Grindelia aquarrosa var.
grandiflora
Helianthus annuus.
Helianthus petiolaris
Martynia proboscidea
Nos. 345; 354, 356, 362, 173,
Aug. 14. Moore Co. Tex.
Scutellaria parvula
197, 397.
Aug. 15 Moore Co: —
Gaillardia pulchella
Eriogonum annuum.
Monarda citriodora
394, 915.
Aug. 17. Hutchinson Co. Tex.
Nos. 307. 414 (in abundance)

Aug. 18 Hutchinson Co.
Oenothera angustifolia
Cassia Chamaecrista
Cephalanthus occidentalis
Argemone Mexicana
Nos. 152. 333.
Aug. 19 Roberts Co. Tex.
Galea aurea
Salvia lanceolata
Setaria (429) — abundant, produces good hay.
Asclepias (321), 345;
Aug. 21. Hemphill Co. Tex.
Coreopsis tinctoria
Stenosiphon virgatum
Aug. 22 near Higgins Tex.
Lespedeza capitata.
Aug. 23. Cherokee Aut. near Texas.
Tradescantia pilosa
Cephalanthus occidentalis
Galea sagittata.
Salvia parviflora
Salvia lanceolata.

Helianthus giganteus.
Helianthus petiolaris
Nos. 324. 340. 345; 428. 338
152. 220.
Andropogon provincialis
Andropogon scoparius
Triodia cuprea
Spartina cynosuroides
Panicum virgatum.
Panicum Crus-galli.
Bouteloua racemosa
Bouteloua oligostachya
Bouteloua hirsuta
Stenosiphon virgatum.
Nos. 405. 384. 338.

Aug. 24.

Aug. 25. Cherokee Outlet = North Canadian (River).
Hoffackia Purshiana
Rhus aromatica
Lespedeza Stuvei, a dwarf
var. pulcherrima.
Gaillardia pulchella
Callirhoe involucrata

Schrankia uncinata
Gaura (1 s-s)
Nos. 171. 328. 426.

Aug. 26 Cheyenne County. -
Polygala alba
Silphium integrifolium
Oenothera angustifolia

Aug. 27. Cheyenne & Arrapahoe County.
Silphium laciniatum. on
Gypsum hills.
Claytonia (388)
Erigeron Canadense.
Polygonum aviculare

Aug. 28 Cheyenne & Arrapahoe County.
Enfelmannia pinnatifida.

Aug. 29. Kingfisher Co. Okl.
Nos. 453, 337.
Phytolacca decandra.

Aug. 30 Logan Co. Okl.
Stenosiphon virgatum.
Nos. 444, 445.

Sept. 1. Cherokee Outlet = on Guthrie
Arkansas City trail. —
Solidago rigida
Cephalanthus occidentalis
Nos. 136

Sept. 2 Cherokee Outlet. — near Ponca Agency
Cassia Chamaecrista (very)
abundant.
Ruellia ciliosa
Nos. 136 Quite Common
Lespedeza capitata (abundant
on Salt Fork.
Helianthus rigidus (abundant
at Ponca Agency.

Sept. 3 Cherokee Cut. near Arkansas City
Datura Stramonium
Nos. 136. in Cowley Co. Kan.

Sept. 7. Arkansas City, Kan. —
Pellaea atropurpurea
Nos. 365.

Sept. 8 Caldwell Kan. —
Nos. 174 abundant in a
field near Caldwell.

Sept. 10 Caldwell, Kan. —
on top of "Red-beds" { Yucca angustifolia
Nos. 216. 328. 232. 287

Cuscuta glomerata

Sept. 11 Cherokee Cut. near Salt Fork.
near C. R. I & P. R. R.
Cleomella angustifolia —
common on Salt Fork.
Nos. 174, 448, 171 — very
abundant in prairie dog towns.

in dog towns { Nos. 454.
Martynia proboscidea
Callirhoe involucrata.

Sept. 13 Cherokee Outlet = near Salt Fork.
Atriplex expansa
Nos. 345.

Common on Salt Fork valley. { Hoffmannseggia Drummondii
Nos. 171, 454.

Sept. 14 Cher. Cut. near Kiowa, Kan.
Aster multiflorus

Sept. 15. Barber Co. Kan.
Astragalus bisulcatus — on outcroppings "Red-beds"
No. 422.
Sept. 16 Comanche Co. Kan.
Nos. 220. 432, 292.
Sept. 12 Clark Co. Kan.
Dalea lanata Lix (356).
Sept. 18. Clark Co.
No. 211.
Sept. 20 Meade Co. Kan.
Nos. 422, 354, 354.
Oct. 1. Kingman Co. Kan.
Aplopappus divaricatus
Dalea alopecuroides
Nos. 542, 432.
W. A. Carleton.

See back fly-leaf for list of packages sent.

Packages forwarded. Numbered in the order of collection.

No. 1. Vinita plants.
" 2. Muskogee.
" 3 Okmulgee to Oklahoma City.
" 4 Guthrie
" 5 Guthrie.
" 6 Oklahoma & Cheyenne country.
" 7 North Canadian & Cimarron valleys.
" 8 " "
" 9 Cimarron valley & S. W. Kan.
" 10 Southwest Kansas.
" 11 " "
" 12 " "
" 13 " "
" 14 " "
" 15 " "
" 16 " "
" 17 S.W. Kan. & Neutral Strip.
" 18 Neutral Strip & Clayton N. Mex.
" 19 Texas Panhandle.
" 20 " "
" 21 Panhandle & Cherokee Outlet.

(over)

No. 22 Cherokee Outlet
" 23 Cher. Out. & Cheyenne Country
" 24. Cher. Out. Chey. Country & Okl.
" 25 Cher. Out. Okl. & Arkansas Ci
" 26 Arkansas City & Cher. Out.
" 27 Cher. Out. & S. W. Kan.
" 28 S. W. Kansas.
" 29 " " "